

**CLAIM AMENDMENTS**

1-18. (canceled)

19. (currently amended): A method for reducing ~~[[the]]~~ an amount of  $\beta$ -amyloid deposits comprising  $\beta$ -amyloid peptide ( $A\beta$ ) from  $\beta$ -amyloid precursor protein (APP) or a fragment thereof in ~~[[the]]~~ an central nervous system (CNS) of a mammal comprising administering to said mammal an effective amount of BACE2 or an agonist thereof.

20. (original): The method of claim 19 wherein said mammal is human.

21. (previously presented): The method of claim 19 wherein said APP is a native sequence human APP.

22. (currently amended): The method of claim 21 wherein said APP is ~~[[the]]~~ an APP isoform consisting of 695-amino acids acid isotype.

23. (currently amended): The method of claim 21 wherein said APP contains ~~[[the]]~~ a Swedish mutation.

24. (previously presented): The method of claim 19 wherein said APP fragment is  $\beta$ -CTF.

25. (previously presented): The method of claim 19 wherein said BACE2 is a native sequence BACE2 polypeptide.